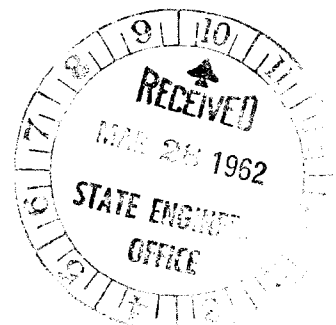


BRUSH CREEK DISTRIBUTION SYSTEM

1961

COMMISSIONER'S REPORT

Prepared by  
Dave Rasmussen  
1961 Commissioner



1961 Brush Creek Distribution System Commissioner's Report INDEX

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## Summary of Commissioner's Activities for the Irrigation Season of 1961

The work of distributing the waters of Brush Creek came earlier than expected in 1961. During the month of March a problem came up in the division of the early water. Since the regular irrigation season did not start until April 15, and the Proposed Determination did not have effect, I called upon Don Norseth, Distribution Engineer, for help in solving this problem. Mr. Norseth responded with a pre-irrigation schedule based on the acreage of each User that could beneficially make use of the water at this time of the year. This schedule gave the Users involved the following amounts of water in the creek at any given time.

Burns Bench Canal--44.1 %

Burtion Ditch-----12.9 %

Murray Ditch-----8.9 %

Sunshine Canal-----30.2 %

Howard Ainge and

Sam Sessions-----3.9 %

total 100 %

None of the Users above Howard Ainge were using water at this time and therefore were not included in the early schedule. The water was distributed according to the above schedule and went without any farther difficulties. Mr. H. Ainge indicated that he felt the State Engineer should stay out of the distribution until irrigation season started.

On April 15, 1961, the Proposed Determination became the basis for distribution and was followed for the remainder of the summer until the turns and rotation schedule became necessary.

A much closer watch and control was made of Oaks Park Res. in an effort to prevent the difficulties experienced in 1960. On May 7, 1961, I was able to reach Oaks Park Res. for the first time by using my Jeep and walking the last mile. The level was 13 feet with no release being made. Water was running in at many points from melting snow but no measurement could be made. Davis Hollow was also checked and no water was running in the canal. The report contains a complete record of visits and measurements taken at Oaks Park during 1961.

Distribution of water on Little Brush Creek went quite well during 1961. We are still experiencing difficulty in keeping the measuring devices functional in both the mouth and below the canyon of Little Brush Creek. As in the past they were again washed out by flood waters. It has been discussed and agreed upon by the Sunshine to install an automatic recorder at the mouth of the Creek. I would personally like to see this done since I feel it would stop many of the

problems concerning distribution of this stream.

Distribution of water on Big Brush Creek was much improved over 1960 with most Users co-operating very well. We still need to install more adequate headgates and measuring devices in some cases to insure proper and fair distribution. A special section on this subject will be included in the report. It is a current survey of the kind and condition of all the diversions and measuring devices on the system. On June 18, 1961 the creek was placed on a rotation schedule in order to best use the existing water. The creek was distributed for the remainder of the summer on this schedule without any serious difficulties.

Floods were few and far between after the High water season. During Mid July a flood came down Little Brush Creek causing some damage to diversions and measuring devices. This type of flood is usually of short duration and tends to cause more damage than benefit. They usually result in all the Users opening their headgates and leaving them open until the Commissioner can get them closed back down. This results in the lower Users going dry after the flood water is gone and the upper Users are still taking a full ditch of water. This has been the case on Brush Creek several times during the past two years. Users should be expected and made to close their own headgates after a flood if they are able to take the responsibility of opening their own headgates.

East Park Res. provided the Sunshine Ranch a good run of water after the high water. On Aug 17, the East Park delivery was completed and shut off to leave the necessary water there for fish culture.

1961 was a short water year but even in the face of this fact the distribution of Brush Creek waters went successfully as compared to other years. I am sure we can look forward to more water in the years to come as well as better and more efficient distribution. According to the water supply predictions so far out for 1962 we should have much more water than we have had for the past two years.

## RECOMMENDATIONS FOR 1962 IRRIGATION SEASON

- 1- A pre-irrigation season schedule should be available for distribution of water before April 15.
- 2- A rotation schedule should be set up and followed as soon as the creek drops to a point of where division of water becomes impractical.
- 3- Improve or install headgates and measuring devices where needed. Be uniform in demanding all users to follow recommendations along this line.
- 4- Installation of an automatic recorder on the mouth of Little Brush Creek if at all possible.
- 5- Studies of channel losses should be made from existing information and continue on for the coming years.
- 6- Keep in close contact with the Ashley Valley Res. Co. and Oaks Park Res. on storage, inflow and releases. Make regular visits to the area to assure control of the situation and thus prevent misunderstandings.
- 7- Enough money should be budgeted for the Commissioners Report so that copies could be made for all interested groups. We now budget \$30.00 as compared to several hundred in most systems. The \$30.00 does not even pay a fair fee to the person who must compile and type up all the information that goes into a report.
- 8- A minimum of \$250.00 per month salary and a special fund for expenses and pay for work done before April 1, 1962. At least \$.10 per mile travel allowance and a minimum amount set aside to cover up to 5,000 miles.
- 9- Meetings of the executive officers of the system when ever deemed necessary by the Commissioner and the Chairman of the Users. This will enable us to work out problems when they come up.

1961 Report of the condition of Diversion and Measuring  
Devices along the Brush Creek Distribution System

The Diversions and measuring devices will be considered from Jackson's Ranch first and then in order from there on down to the Burns Bench Divider.

Jackson's

Diversion: A simple rock and brush type of dam located approx.  $\frac{1}{4}$  mile up stream from the house. It is in useless condition and will have to be repaired before water can be diverted into the ditch. There is a fairly good screw type headgate in the head of the ditch that will be satisfactory if repaired and set in properly.

Measuring Device: A 9 inch parshall flume located near the Jackson corrals. It appears to be in good order and working effectively.

Note: There is another ditch used to put water on ground on the east side of Brush Creek. The diversion dam is apparently washed out and I could locate no measuring device. However, Jackson irrigates this land in part from run of that is caught coming down a wash on that side of the creek. As far as I know he has not used the ditch mentioned very recently.

Hugh Colton and Burt Hatch

Diversion: A rock and log type structure. Water is diverted by putting a pole across the creek over the dam and then inserting boards until the water backs up enough to put it into a ditch. The dam will need cleaned out but no other repairs are evident. This diversion is used jointly by Colton and Hatch.

Measuring Device: A 12 inch Parshall flume located approx  $\frac{1}{4}$  mile below the diversion. This flume may need to be reset and leveled before another irrigation season. The only control for the flow through the parshall is a waste gate located in the ditch immediately above the parshall flume. This waste gate consists of two 50 gal drums welded together with a piece of sheet metal over the inlet. This is an inadequate device and almost impossible to control since it changes with the amount of water that comes down the ditch which is subject to changes in the creek flow.

Note: Hatch also has a pump located in the creek near the junction of the hatch access road and the Diamond Mnt. road. As near as I could determine the pump puts 1 cfs of water to the ditch located above the pump. There are no permanent measuring devices in this ditch. Water is run both ways from where the water is pumped into the ditch.

### Shiner Bros.

**Diversion:** A rock, log and brush type, typical of the diversion dams in this area. It operates by backing the Brush Creek flow up far enough to put water into a ditch. The only control is a waste gate located above the measuring device which puts water back into the creek near by.

**Measuring Device:** A 24 inch homemade parshall. It does not have a measuring staff fixed on it and should be leveled and reset since the water backs up and does not flow through at the proper rate to get an accurate reading. This ditch, like Hatches and Coltons is hard to control since it fluctuates with differences in the Creek flow.

### Howard Ainge

Mr. Ainge maintains two diversion dams and is sharing another with Sam Sessions.

**Diversion # 1:** A log, brush type dam which raises water enough to put it into a ditch. This ditch is also control by a waste gate located above the measuring device and puts excess water back into the near by creek.

**Measuring Device:** A 12 inch Parshall flume that appears to be in good order working effectively. The device is located approx. 500 yds. below the diversion.

**Diversion # 2:** A log and brush type dam similar to the # 1 and also works on the same order. It is also controlled by a waste ditch with a slip type, metal headgate to adjust the return flow to the creek. 12 in. Parshall.

### Howard Ainge and Sam Sessions

**Diversion:** A combination log, rock and brush dam. This diversion has an old type slip headgate at a point where the ditch leaves the dam. Frequent floods have washed dirt away until this headgate is no longer useful and the water goes into the ditch behind the headgate.

**Measuring Device:** A 12 inch. parshall located about 100 ft. from the diversion. It appears to be in good order and working effectively.

### Sunshine Ranches

**Diversion:** A heavy concrete structure which backs the water up and over to a screw type headgate located in the west side of the diversion side works. This is the best and most permanent diversion works yet mentioned and is in good working order and easy to controll. During the past two years this headgate has been locked at various times due to unexplained changes. However, this is the only diversion that you can tell for sure if changes have been made.

### Sunshine Ranches Cont.

Measuring Device: A 4 foot Parshall flume. This flume is in good order and set level. It may need some concrete poured around the bottom of the front to prevent washing under before another irrigation season.

### Burns Bench, Murray Ditch, and Burton Ditch

Diversion: A solid concrete structure which raises the water out of the creek channel into a canal. The water is then run through an 8 ft. concrete parshall flume and then divided into two streams. One going to the Burns Bench canal and the other into the creek channel. The divider is so constructed so as to divide any amount of water that happens to be in the creek up into the proper amounts. The water which returns to the creek is again raised from the creek channel by a concrete and plank type dam and then diverted into the canal serving both the Burton and Murray Ditches. Once again it is divided between the Murray and Burton ditches in the proper amounts.

### Murrays, Ainge, and Evans

These people are served by water being diverted at the Sunshine Dam and then measured out of the Sunshine Canal through 2,9 inch parshall flumes located near the Sunshine Canal. This system has been a sore spot for the past two years but co-operation and understanding could probably overcome most of the difficulties.

### Vaughn Wilkins

Vaughn Wilkins is served by the Burns Bench canal much like the one mention above. Until late last summer I was under the impression that the Burns Bench Ditch Rider took care of measuring out his share. After some disaussion with Curt Dudley, Brush Creek Users Chairman, It was learned that a separate schedule would have to be set up for Wilkins. This was done for the remainder of the irrigation season. If this is followed in the future a parshall flume will need to be installed near his diversion from the canal and some sort of control gate installed in the bank of the canal where the water is taken out.

Note: This survey was made during the month of Nov. 1961 by Dave Rasmussen Brush Creek Commissioner during 1960-61.



*Summary of the Distribution of Oaks Park Res. water for the summer of 1961 as applied to Brush Creek rights and releases.*

*The Oaks Park Res. releases went much better in 1961 than in 1960. A closer watch was made on the Res. which resulted in a much better relationship with its directors and fewer misunderstandings. The first visit was made as soon as it was possible to get into the area. This was on May 7, 1961. The level was aprox. 13 ft. with no release being made. There was still ice on the Res. and snow up to 2 ft. deep in the adjoining forest. It was impossible to determin the inflow, however, some water was moving into the Res. at this time.*

*On May 9, a letter was sent to Mr. Archie Allen, President, requesting releases as soon as they were needed. He acknowledged this letter by phone and indicated that an automatic recorder would be installed on the dam to record any raises or drops in the level of the Res.*

*On June 4, a release to Brush Creek of 10.0 Cfs. was started due to a drop in Brush Creek flow. On June 7, 1961, this release was stopped due to ample water in Brush Creek from the spring run off.*

*After high water the Res. was controlled for the rest of the summer by releasing the inflow on down to the Brush Creek Users.*

*State Engineer's Office form 70 will give the essential information as to the water in Oaks Park any given month, April through August.*

Oaks ParkRESERVOIR OPERATION REPORT, 19 61

Capacity: Useable \_\_\_\_\_ A.F.

TOTAL \_\_\_\_\_ A.F.

RESERVOIR STATUS

Start of irrigation season: Date \_\_\_\_\_ Storage \_\_\_\_\_ ac. ft.

End of irrigation season: Date \_\_\_\_\_ Storage \_\_\_\_\_ ac. ft.

MONTH	GAGE HEIGHT End of Month	INFLOW ac.ft.	RELEASES to Brush <del>Ch</del> CHANGE ac.ft.	RESERVOIR CHANGE ac.ft.	TOTAL STORAGE END OF MO. ac.ft.
Jan.	Inaccessible				
Feb.	"				
March	"				
April	"				
May 7	Approx. 13'	Not able to determin			
June 4'	36' 3 1/2"		10 cfs		
12	39'	27.13 cfs	26.9 cfs		
July 19	35' 4"	2 cfs	2 cfs		
August 2	32'	2 cfs	2 cfs		
22	27' 6"	1.8 cfs	1.8 cfs		
September					
October					
November					
December					
Total					

In Addition:

\* Summary Sheet, showing  
 (a) Owners of water and deliveries

Preliminary  
Subject to  
Daily discharge, inCords  
vision  
and-feet, of

Brush Creek near Vernal, Utah

, for the year ending September 30, 19 61

Day	Oct.	* Nov.	* Dec.	* Jan.	* Feb.	* Mar.	* Apr.	* May	* June	* July	* Aug.	* Sept.
1	11	9.6	13	10	11	8.5	9.6	24	68	24	15	13
2		9.6	13		10	9.2	9.6	42	57	18	14	13
3		10	14		9.6	9.2	9.6	43	48	17	14	12
4		10	14		9.2	9.2	12	43	54	16	14	12
5		10	14		9.2	9.2	13	30	68	16	13	12
6	13	11	13	10	9.0	10	15	19	82	14	12	10
7		13			10	14	20	72	15	12	10	
8		12			8.7	10	13	19	48	16	13	22
9		12			8.7	9.6	11	19	40	16	12	31
10		20			8.7	9.2	13	42	35	15	11	17
11	15	11	13	9.6	8.7	9.2	11	73	35	16	13	15
12		10			9.2	9.6	83	36	16	13	13	
13		11			9.2	9.6	10	68	43	16	16	11
14		11			9.2	10	9.6	42	43	16	13	12
15		11			9.2	10	9.2	42	41	16	13	12
16	12	11	13	10	9.6	9.6	9.2	45	36	15	13	12
17		11	12	9.6	8.7	9.2	43	36	12	26	12	
18		11	11	9.6	9.2	9.6	52	36	12	11	35	
19		11	11	9.2	9.2	16	64	36	13	9.2	12	
20		13	11	9.2	10	13	89	32	11	9.6	11	
21	13	11	11	9.0	9.2	9.6	14	96	30	12	9.6	11
22	12	11	11		9.2	9.6	14	91	26	11	10	11
23	11	12	12		9.2	9.6	14	99	22	11	10	11
24	11	13	12		9.0	9.6	16	107	25	11	11	14
25	10	13	12		9.2	8.7	10	13	107	21	11	11
26	9.6	13	12	8.7	8.3	11	11	100	18	11	12	9.2
27	9.2	14	12	8.5	8.2	11	9.2	103	18	11	12	8.7
28	9.2	13	8.2		9.6	9.6	99	23	11	11	8.7	
29	9.2	13	11		9.6	14	96	24	11	10	8.7	
30	9.2	13	11		9.6	20	91	26	11	10	9.2	
31	9.2				9.2		85		12	10		
373.6* 343.2* 382* 296.0* 255.6* 297.6* 361.0* 1,976* 1,179* 433* 383.4* 406.5*												

MEAN	12.1	11.4	12.3	9.55	9.13	9.60	12.0	63.7	39.3	14.0	12.4	13.6
ACRE- FEET	741	681	758	587	507	590	716	3,920	2,340	859	760	806

Irrigation Schedule for upper part of Brush Creek, Uintah County, Summer 1961.

Amount: 64.5 % of 13 % of total stream flow.

Name	hours of right	<u>Begin</u>		<u>End</u>	
		Date	Time	Date	Time
Marvin Jackson	17:42	6-18	12:01 p.m.	6-19	5:43 a.m.
Hugh Colton	28:54	6-19	5:43 a.m.	6-20	10:37 a.m.
Bert Hatch	27:39	6-20	10:37 a.m.	6-21	2:16 p.m.
Wm. Whitbeck	1:39	6-21	2:16 p.m.	6-21	3:55 p.m.
Shiner Bros.	92:06	6-21	3:55 p.m.	6-25	12:01 p.m.
<hr/>					
Marvin Jackson		6-25	12:01 p.m.	6-26	5:43 a.m.
Hugh Colton		6-26	5:43 a.m.	6-27	10:37 a.m.
Bert Hatch		6-27	10:37 a.m.	6-28	2:16 p.m.
Wm. Whitbeck		6-28	2:16 p.m.	6-28	3:55 p.m.
Shiner Bros.		6-28	3:55 p.m.	7-2	12:01 p.m.
<hr/>					
Marvin Jackson		7-2	12:01 p.m.	7-3	5:43 a.m.
Hugh Colton		7-3	5:43 a.m.	7-4	10:37 a.m.
Bert Hatch		7-4	10:37 a.m.	7-5	2:16 p.m.
Wm. Whitbeck		7-5	2:16 p.m.	7-5	3:55 p.m.
Shiner Bros.		7-5	3:55 p.m.	7-9	12:01 p.m.

Continue to rotate on this schedule each week; You will be notified of the amount of water to take as the creek flow changes from week to week.

Rotation schedule for middle part of Brush Creek, Uintah County, Summer 1961  
Amount: 35.5 % of 13 % of total flow of creek.

Name	Hours of Right	Begin		End	
		Date	Time	Date	Time
Howard Ainge	89:30	6-18	12:01 p.m.	6-22	5:31 a.m.
Sam Sessions	20:21	6-22	5:31 a.m.	6-23	1:52 a.m.
Murrays	17:27	6-23	1:52 a.m.	6-23	7:19 p.m.
Leon Ainge	20:21	6-23	7:19 p.m.	6-24	3:40 p.m.
Martin Evans	20:21	6-24	3:40 p.m.	6-25	12:01 a.m.

Howard Ainge		6-25	12:01 p.m.	6-29	5:31 a.m.
Sam Sessions		6-29	5:31 a.m.	6-30	1:52 a.m.
Murrays		6-30	1:52 a.m.	6-30	7:19 p.m.
Leon Ainge		6-30	7:19 p.m.	7-1	3:40 p.m.
Martin Evans		7-1	3:40 p.m.	7-2	12:01 a.m.

Howard Ainge		7-2	12:01 p.m.	7-6	5:31 a.m.
Sam Sessions		7-6	5:31 a.m.	7-7	1:52 a.m.
Murrays		7-7	1:52 a.m.	7-7	7:19 p.m.
Leon Ainge		7-7	7:19 p.m.	7-8	3:40 p.m.
Martin Evans		7-8	3:40 p.m.	7-9	12:01 a.m.

continue to rotate on this schedule each week. You will be notified of the amount of water to take as the creek flow changes from week to week.

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Water per second  
 at Burns Bench Divider for Burns Bench, Murray and Burton Ditches 19 61

Month	April		May		June		July		August					
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1	.30	4.62	.60	14.10	1.0	32.0	.45	8.87	.42	7.94				
2	.30	4.62	1.0	32.0	1.0	32.0	.45	8.87	.42	7.94				
3	.30	4.62	1.0	32.0	1.0	32.0	.45	8.87	.42	7.94				
4	.30	4.62	1.10	37.30	1.1	37.30	.45	8.87	.42	7.94				
5	.40	7.34	1.1	37.30	1.1	37.30	.45	8.87	.42	7.94				
6	.40	7.34	.96	30.0	1.4	55.0	.45	8.87	.42	7.94				
7	.30	4.62	.70	18.0	1.4	55.0	.46	9.19	.42	7.94				
8	.30	4.62	.70	18.0	1.1	37.30	.46	9.19	.42	7.94				
9	.30	4.62	.70	18.0	.80	22.40	.46	9.19	.42	7.94				
10	.30	4.62	.90	27.0	.80	22.40	.46	9.19	.42	7.94				
11	.30	4.62	1.34	51.20	.80	22.40	.46	9.19	.42	7.94				
12	.30	4.62	1.4	55.0	.80	22.40	.46	9.19	.44	8.55				
13	.30	4.62	1.46	58.80	.80	22.40	.46	9.19	.44	8.55				
14	.30	4.62	1.05	34.60	.95	29.50	.46	9.19	.44	8.55				
15	.30	4.62	1.05	34.60	.95	29.50	.46	9.19	.44	8.55				
16	.30	4.62	1.05	34.60	.95	29.50	.46	9.19	.44	8.55				
17	.30	4.62	1.1	37.30	.80	22.40	.45	8.87	.44	8.55				
18	.30	4.62	1.15	40.10	.80	22.40	.45	8.87	.48	9.80				
19	.60	14.10	1.15	40.10	.80	22.40	.45	8.87	.40	7.34				
20	.55	12.20	1.40	55.0	.80	22.40	.45	8.87	.40	7.34				
21	.55	12.20	1.40	55.0	.80	22.40	.45	8.87	.40	7.34				
22	.55	12.20	1.40	55.0	.60	14.10	.42	7.94	.40	7.34				
23	.55	12.20	1.68	73.70	.60	14.10	.42	7.94	.40	7.34				
24	.60	14.10	1.68	73.70	.60	14.10	.42	7.94	.40	7.34				
25	.60	14.10	1.70	75.10	.50	10.50	.40	7.34	.40	7.34				
26	.55	12.20	1.70	75.10	.50	10.50	.40	7.34	.40	7.34				
27	.55	12.20	1.60	68.10	.43	8.24	.40	7.34	.40	7.34				
28	.55	12.20	1.60	68.10	.40	7.34	.40	7.34	.40	7.34				
29	.60	14.10	1.60	68.10	.40	7.34	.40	7.34	.40	7.34				
30	.60	14.10	1.40	55.0	.45	8.87	.40	7.34	.40	7.34				
31	/	/	1.30	48.80	/	/	.40	7.34	.40	7.34				
Total		244.5		1446.9		725.49		264/67		243/81				
Total Ac. Ft.		489.0		2893.8		1450.98		529.34		487.72				

57% BURNS BENCH  
 26% BURTON DITCH  
 17% MURRAY DITCH

TOTAL FOR 1961 = 5,850.84

ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of MARVIN JACKSON  
 at JACKSON RANCH for IRRIGATION SEASON 1961

Month	APRIL		MAY		JUNE		JULY		AUG.			
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1		0		0	.24	.46		0		0		
2			.22	.40	.24	.46	.57	1.30				
3			.22	.40	.24	.46		0				
4			.22	.40	.24	.46						
5			.22	.40	.24	.46						
6			.22	.40	.24	.46				0		
7			.22	.40	.24	.46			.47	.97		
8			.22	.40	.24	.46		0		0		
9			.22	.40	.24	.46	.57	1.30				
10			.22	.40	.24	.46		0				
11			.22	.40	.24	.46						
12			.22	.40	.24	.46						
13			.27	.54	.24	.46				0		
14			.27	.54	.24	.46			.48	1.00		
15			.27	.54	.24	.46		0		0		
16			.27	.54	.24	.46	.47	.97				
17			.27	.54	.24	.46		0				
18			.27	.54	.24	.46						
19			.27	.54		0						
20			.27	.54						0		
21			.27	.54					.54	.84		
22			.27	.54				0		0		
23			.49	1.35			.45	.90				
24			.49	1.35		0		0				
25			.49	1.35	.64	2.03						
26			.49	1.35		0						
27			.49	1.35						0		
28			.49	1.35					.54	.84		
29			.49	1.35				0		0		
30		0	.49	1.35			.47	.97				
31						0		0		0		
Total				20.60		12.38		5.44		3.65		
Total Ac. Ft.				41.20		24.76		10.88		7.30		

TOTAL FOR

84.14

ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of HUGH COLTON

at COLTON - HATCH DITCH for IRRIGATION SEASON

19 61

Month	APRIL		MAY		JUNE		JULY		AUG.					
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1		0		0	.32	.71		0		0				
2					.32	.71		0						
3					.32	.71	.57	1.30						
4				0	.32	.71		0						
5			.28	.58	.32	.71								
6			.28	.58	.32	.71				0				
7			.28	.58	.32	.71			.47	.97				
8			.28	.58	.32	.71				0				
9			.28	.58	.32	.71		0						
10			.28	.58	.32	.71	.57	1.30						
11			.41	1.03	.32	.71		0						
12			.41	1.03	.32	.71								
13			.41	1.03	.32	.71				0				
14			.41	1.03	.32	.71			.48	1.00				
15			.41	1.03		0				0				
16			.41	1.03				0						
17			.52	1.48			.47	.97						
18			.52	1.48		0		0						
19			.52	1.48	.74	2.53								
20			.52	1.48		0				0				
21			.52	1.48					.54	.84				
22			.52	1.48						0				
23			.52	1.48				0						
24			.52	1.48			.45	.90						
25			.52	1.48		0		0						
26			.52	1.48	.64	2.03								
27			.52	1.48		0				0				
28			.52	1.48					.54	.84				
29			.52	1.48						0				
30			.52	1.48				0		0				
31		0	.52	1.48		0	.47	.97		0				
Total				31.86		14.50		5.44		5.65				
Total Ac. Ft.				63.72		29.00		10.88		7.30				

TOTAL FOR

110.90

ACRE FEET



# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of BERRY HATCH  
 at COLTON-HATCH DITCH for IRRIGATION SEASON 19 61

Month	APRIL		MAY		JUNE		JULY		AUG.			
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1		0	.30	.64	.34	.80		0	.47	.97		
2			.30	.64	.34	.80				0		
3			.30	.64	.34	.80		0				
4			.30	.64	.34	.80	.57	1.30				
5			.30	.64	.34	.80		0				
6			.30	.64	.34	.80						
7			.30	.64	.34	.80				0		
8			.30	.64	.34	.80			.47	.97		
9			.30	.64	.34	.80				0		
10			.30	.64	.34	.80		0				
11			.44	1.15	.34	.80	.57	1.30				
12			.44	1.15	.34	.80		0				
13			.44	1.15	.34	.80						
14			.44	1.15	.34	.80				0		
15			.44	1.15	.34	.80			.48	1.00		
16			.44	1.15	.34	.80				0		
17			.44	1.15	.34	.80		0				
18			.57	1.70	.34	.80	.47	.97				
19			.57	1.70	.34	.80		0				
20			.57	1.70	.74	2.53						
21			.57	1.70		0				0		
22			.57	1.70					.54	.84		
23			.57	1.70						0		
24			.57	1.70				0				
25			.57	1.70			.45	.90				
26			.57	1.70		0		0				
27			.57	1.70	.64	2.03						
28			.57	1.70		0				0		
29			.57	1.70					.54	.84		
30		0	.57	1.70						0		
31			.57	1.70		0		0		0		
Total				38.25		19.76		4.47		5.59		
Total Ac. Ft.				76.50		39.52		8.94		11.18		

TOTAL FOR 136.14 ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of SHINERS Bros.  
 at UPPER & LOWER DITCHES for IRRIGATION SEASON 19 61

Month	APRIL		MAY		JUNE		JULY		AUG					
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1		0		0	.64	4.01	.64	2.03		0				
2					.39	1.86		0	.47	.97				
3					.39	1.86		0	.47	.97				
4					.39	1.86		0	.47	.97				
5					.39	1.86	.57	1.30	.47	.97				
6					.39	1.86	.57	1.30		0				
7					.39	1.86	.57	1.30		0				
8					.39	1.86	.57	1.30		0				
9				0	.39	1.86		0	.47	.97				
10			.49	2.65	.39	1.86		0	.47	.97				
11			.49	2.65	.39	1.86		0	.47	.97				
12			.49	2.65	.39	1.86	.57	1.30	.47	.97				
13			.49	2.65	.39	1.86	.57	1.30		0				
14			.49	2.65	.39	1.86	.57	1.30		0				
15			.49	2.65	.39	1.86	.57	1.30		0				
16			.49	2.65	.39	1.86		0	.48	1.00				
17			.49	2.65	.39	1.86		0	.48	1.00				
18			.49	2.65	.39	1.86		0	.48	1.00				
19			.49	2.65	.39	1.86	.47	.97	.48	1.00				
20			.49	2.65	.39	1.86	.47	.97		0				
21			.64	4.01	.74	2.53	.47	.97		0				
22			.64	4.01	.74	2.53	.47	.97		0				
23			.64	4.01	.74	2.53		0	.54	.84				
24			.64	4.01	.74	2.50		0	.54	.84				
25			.64	4.01		0		0	.54	.84				
26			.64	4.01		0	.45	.90	.54	.84				
27			.64	4.01		0	.45	.90		0				
28			.64	4.01	.64	2.03	.45	.90		0				
29			.64	4.01	.64	2.03	.45	.90		0				
30		0	.64	4.01	.64	2.03		0		0				
31			.64	4.01	.64	2.03		0		0				
Total				73.26		55.53		19.9		15.12				
Total Ac. Ft.				146.52		111.06		39.8		30.24				

TOTAL FOR

327.62 ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of HOWARD AINGE  
 at H. AINGE DITCHES for IRRIGATION SEASON 1961

Month	APRIL		MAY		JUNE		JULY		AUGUST					
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1	.24 .70	.46 2.33	.85	3.12	.80	2.85		0	.27	.54				
2	.70	2.33	.70	2.33	.80	2.85	.32	.71	.27	.54				
3	.70	2.33	.70	2.33	.80	2.85	.32	.71		0				
4	.70	2.33	.70	2.33	.80	2.85	.32	.71		0				
5	.70	2.33	.70	2.33	.80	2.85	.32	.71		0				
6	.70	2.33	.70	2.33	.80	2.85		0	.27	.54				
7	.59	1.80	.74	2.53	.80	2.85		0	.27	.54				
8	.59	1.80	.74	2.53	.80	2.85		0	.27	.54				
9	.59	1.80	.74	2.53	.80	2.85	.27	.54	.27	.54				
10	.59	1.80	.74	2.53	.80	2.85	.27	.54		0				
11	.59	1.80	.74	2.53	.80	2.85	.27	.54		0				
12	.59	1.80	.74	2.53	.80	2.85	.27	.54		0				
13	.59	1.80	.74	2.53	.80	2.85		0	.32	.70				
14	.85	3.12	.74	2.53	.80	2.85		0	.32	.70				
15	.85	3.12	.74	2.53	.50	1.39		0	.32	.70				
16	.85	3.12	.74	2.53	.50	1.39	.26	.51	.32	.70				
17	.85	3.12	.74	2.53	.50	1.39	.26	.51		0				
18	.85	3.12	.74	2.53	.50	1.39	.26	.51		0				
19	.85	3.12	.74	2.53	.50	1.39	.26	.51		0				
20	.85	3.12	.74	2.53	.50	1.39		0	.24	.46				
21	.85	3.12	.74	2.53	.50	1.39		0	.24	.46				
22	.85	3.12	.74	2.53		0		0	.24	.46				
23	.85	3.12	.80	2.85		0	.32	.71	.24	.46				
24	.85	3.12	.80	2.85		0	.32	.71		0				
25	.85	3.12	.80	2.85	.40	1.0	.32	.71		0				
26	.85	3.12	.80	2.85	.40	1.0	.32	.71		0				
27	.85	3.12	.80	2.85	.40	1.0		0	.24	.46				
28	.85	3.12	.80	2.85	.40	1.0		0	.24	.46				
29	.85	3.12	.80	2.85		0		0	.24	.46				
30	.85	3.12	.80	2.85		0	.27	.54	.24	.46				
31							.27	.54		0				
Total		82.4		78.05		53.63		10.96		9.72				
Total Ac. Ft.		164.8		156.10		107.26		21.92		19.44				

TOTAL FOR 469.52 ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of SAM SESSIONS  
 at HEADGATE for IRRIGATION SEASON 19 61

Month	MAY		JUNE		JULY		AUG.							
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1	.59	1.80	.50	1.39	—	—								
2	.59	1.80	.50	1.39	—	—								
3	.59	1.80	.50	1.39	—	—	.27	.54						
4	.59	1.80	.50	1.39	—	—								
5	.59	1.80	.50	1.39	—	—								
6	.59	1.80	.85	3.12	.32	.74								
7	.59	1.80	.85	3.12										
8	.59	1.80	.85	3.12										
9	.59	1.80	.85	3.12										
10	.59	1.80	.85	3.12			.27	.54						
11	.59	1.80	.85	3.12										
12	.59	1.80	.85	3.12										
13	.59	1.80	.85	3.12	.32	.71								
14	.59	1.80	.85	3.12										
15	.59	1.80	.30	.64										
16	.59	1.80	.30	.64										
17	.50	1.39	.30	.64			.32	.71						
18	.50	1.39	—	—										
19	.50	1.39	—	—										
20	.50	1.39	—	—	.27	.54								
21	.50	1.39	—	—										
22	.50	1.39		1.40										
23	.50	1.39	—	—										
24	.50	1.39	—	—			.24	.46						
25	.50	1.39	—	—										
26	.50	1.39	—	—										
27	.50	1.39	—	—	.26	.51								
28	.50	1.39	—	—										
29	.50	1.39		1.00										
30	.50	1.39	—	—										
31	.50	1.39	—	—			.24	.46						
Total		49.65		39.35		2.47		2.71						
Total Ac. Ft.		99.30		78.70		4.94		5.42						

TOTAL FOR

188.36

ACRE FEET

# STATE OF UTAH OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of SUNSHINE RANCHES  
at SUNSHINE CANAL for IRRIGATION SEASON 19 61

Month	APRIL		MAY		JUNE		JULY		AUGUST					
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1	.36	3.19	.80	11.3	1.2	21.3	.85	12.4	.79	11.0				
2	.36	3.19	.80	11.3	1.2	21.3	1.0	16.0	.79	11.0				
3	.36	3.19	.90	13.4	1.2	21.3	1.0	16.0	.79	11.0				
4	.36	3.19	.90	13.4	1.2	21.3	.93	14.3	.72	9.53				
5	.36	3.19	.80	11.3	1.2	21.3	.93	14.3	.72	9.53				
6	.47	4.86	.80	11.3	1.6	33.4	.93	14.3	.70	9.11				
7	.47	4.86	.80	11.3	1.6	33.4	.93	14.3	.70	9.11				
8	.45	4.54	.75	10.2	1.42	27.8	.82	11.7	.70	9.11				
9	.45	4.54	.75	10.2	1.08	18.1	.82	11.7	.70	9.11				
10	.45	4.54	.75	10.2	1.08	18.1	.82	11.7	.70	9.11				
11	.45	4.54	.85	12.4	1.10	18.6	.82	11.7	.70	9.11				
12	.45	4.54	1.35	25.7	2.10	18.6	.82	11.7	.70	9.11				
13	.45	4.54	1.35	25.7	1.00	16.0	.82	11.7	.67	8.55				
14	.45	4.54	1.39	26.9	1.00	16.0	.82	11.7	1.0	16.0				
15	.45	4.54	.90	13.4	.90	13.5	.82	11.7	.67	8.51				
16	.45	4.54	.90	13.4	.90	13.5	.82	11.7	.58	6.77				
17	.45	4.54	1.10	18.6	.90	13.5	.82	11.7	.58	6.77				
18	.45	4.54	1.10	18.6	.90	13.5	.82	11.7	.37	3.30				
19	.45	4.54	1.10	18.6	.90	13.5	.82	11.7	.34	2.92				
20	.45	4.54	1.10	18.6	.90	13.5	.82	11.7	.34	2.92				
21	.45	4.54	1.10	18.6	.80	11.3	.82	11.7	.34	2.92				
22	.45	4.54	1.35	25.7	.80	11.3	.81	11.5	.30	2.39				
23	.45	4.54	1.65	35.3	.80	11.3	.81	11.5	.30	2.39				
24	.45	4.54	1.65	35.3	.75	10.2	.81	11.5	.30	2.39				
25	.45	4.54	1.65	35.3	.75	10.2	.81	11.5	.30	2.39				
26	.45	4.54	1.65	35.3	.75	10.2	.81	11.5		0				
27	.45	4.54	1.65	35.3	.75	10.2	.81	11.5						
28	.45	4.54	1.65	35.3	.71	9.32	.81	11.5						
29	.45	4.54	1.35	25.7	.71	9.32	.81	11.5						
30	.45	4.54	1.35	25.7	.71	9.32	1.07	17.8						
31			1.35	25.7			.71	9.53		0				
Total		130.99		639.80		490.56		384.73		183.65				
Total Ac. Ft.		260.18		1274.60		981.12		769.46		367.30				

TOTAL FOR 3,657.64 ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Murray's  
 at Sunshine Canal for Irrigation Season 1961

Month	APRIL		MAY		JUNE		JULY		AUG.					
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1		0	.35	.62	.60	1.40		0		0				
2			.35	.62		0								
3			.35	.62						0				
4			.35	.62					.27	.54				
5			.35	.62						0				
6			.35	.62		0		0						
7			.35	.62	.35	.62	.32	.71						
8			.35	.62	.35	.62		0						
9			.15	.17	.35	.62								
10			.15	.17	.35	.62				0				
11			.60	1.40		0			.27	.54				
12			.60	1.40						0				
13			.60	1.40				0						
14		0	.60	1.40			.32	.71						
15	.28	.44	.20	.26				0						
16	.28	.44	.20	.26										
17	.28	.44	.20	.26		0				0				
18	.28	.44	.20	.26		0			.32	.71				
19	.28	.44	.20	.26						0				
20	.28	.44	.60	1.40				0						
21			.60	1.40			.27	.54						
22			.60	1.40		0		0						
23			.60	1.40		1.4								
24			.60	1.40		0				0				
25			.60	1.40					.24	.46				
26			.60	1.40						0				
27			.60	1.40				0						
28			.60	1.40			.26	.51						
29	.35	.62	.60	1.40		0		0						
30	.35	.62	.60	1.40		1.00								
31	.25		.60	1.40				0		0				
Total		3.88		29.00		6.28		2.47		2.25				
Total Ac. Ft.		7.76		58.00		12.56		4.94		4.50				

TOTAL FOR

87.76 ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of MARTIN EVANS - LEON AINGE  
at SUNSHINE CANAL for IRRIGATION SEASON 19 61

Month	APRIL		MAY		JUNE		JULY		AUGUST			
Day	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1			.48	1.0	.34	.59		1.0		0		
2			.48	1.0	.34	.59		0				
3			.48	1.0	.35	.62				0		
4			.48	1.0	.35	.62			.27	.54		
5			.48	1.0	.35	.62			.27	.54		
6			.48	1.0	.35	.62		0		0		
7			.48	1.0	.35	.62	.32	.71				
8			.25	.49	.35	.62	.32	.71				
9			.25	.49	.25	.37		0				
10			.25	.49	.25	.37				0		
11			.25	.49	.25	.37			.27	.54		
12			.45	1.00	.25	.37			.27	.54		
13			.45	.90	.25	.37		0		0		
14			.45	.90	.25	.37	.32	.71				
15	.42	.81	.45	.90	.25	.37	.32	.71				
16	.42	.81	.34	.59	.25	.37		0				
17	.42	.81	.34	.59	.25	.37				0		
18	.42	.81	.34	.59		0			.32	.71		
19	.42	.81	.48	1.00					.32	.71		
20	.42	.81	.48	1.00				0		0		
21	.42	.81	.48	1.00			.27	.54				
22	.42	.81	.48	1.00		0	.27	.54				
23	.42	.81	.48	1.00		1.4		0				
24	.42	.81	.48	1.00		1.4				0		
25	.42	.81	.48	1.00		0			.24	.46		
26	.42	.81	.48	1.00					.24	.46		
27	.42	.81	.48	1.00				0		0		
28	.42	.81	.34	.59			.26	.51				
29	.42	.81	.34	.59		0	.26	.51				
30	.42	.81	.34	.59		1.0		0				
31			.34	.59				0		0		
Total		17.96		25.73		11.41		5.94		4.50		
Total Ac. Ft.		25.92		51.46		22.82		11.88		9.00		

TOTAL FOR

121.08

ACRE FEET



THE STATE OF UTAH  
OFFICE OF STATE ENGINEER  
SALT LAKE CITY

WAYNE D. CRIDDLE  
STATE ENGINEER

MEMORANDUM

TO: Robert F. Guy, Area Engineer, District Office, Vernal, Utah  
FROM: Donald C. Norseth, Distribution Engineer, Office of the State Engineer  
DATE: March 23, 1961  
SUBJECT: Brush Creek Distribution 1961

This will confirm our conversation of March 22, 1961, in which the distribution in Brush Creek, prior to the irrigation season, was gone over.

Apparently, the users are now having difficulties over the early water, (some 7 second-feet) presently being diverted by Sunshine Ranches. The other users feel that they should share in the use of this water.

The enclosed schedule is to be followed until the irrigation season as set forth in the Proposed Determination begins on April 15.

The schedule has been established for all known users who can beneficially use this water and they have been allowed a percentage of the early Brush Creek Flow on an irrigated acreage basis. This schedule should be kept in effect until the irrigation period begins.

The use of water under this 1961 pre-irrigation schedule shall not create a call against storage on Oaks Park and East Park Reservoirs.

If you encounter any difficulties under this schedule, let us know.



Brush Creek Schedule Before the Irrigation Season, As Set Forth in the Proposed Determination, Paragraph 8 and 9, for 1961.

<u>Canal</u>	<u>Acreage</u> <sup>(1)</sup>	<u>% of Brush Creek Flow</u>
Burns Bench	<del>1921.2</del> /2 1921.2	44.1 <del>44.7</del> -46
Burton Ditch	<del>559.2</del> 559.2	12.9 <del>13.0</del> +3
Murray Ditch	<del>382.7</del> 384.6	8.9 8.9 +
Sunshine Canal	<del>1312.0</del> /3 1311.4	30.2 <del>30.5</del> -3
Howard Ainge & Sessions	<del>125.6</del> - 170.	3.9 <del>2.9</del>
Total	4300.7 4346.4	100.0

/1 Acreage used as given in Brush Creek Proposed determination

/2 Includes Vaughn Wilkins Right of 53.70 acres.

/3 Includes private rights from Sunshine Canal of 157.1 acres.

*additional 44.2 acc to Howard Ainge*

BRUSH CREEK  
Appropriations (Active & Pending)  
Taken from 1960 Priority Schedule

NAME	Priority			Date	
	1890	1896	1910		
Marvin & Aretta Jackson	.56	1.23			
Hugh W. Colton	.90	.64		* 31	
Wm. E. Witbeck	.21		.02		
Samuel Hatch	.81	1.23	.57		
<del>Shirley Bros.</del>	2.88				
Neldon Shiner		.08			
Howard & Vera Ainge	.80	1.33			
Samuel Sessions & Ruby Kurtz	.70	.51			
Sunshine Canal Thos. L. & Estella E. Ainge, Martin Evans	.70	1.02			
Sunshine Canal Ward & Verna Murray, Josephine Stewart, Arthur Murray	.30	.93			
Burns Bench Vaughn & Velma Wilkins	.22	.75			
Burton Ditch	13.69				
Murray Ditch	9.34				
Burns Bench	31.12				
Mary E. Ratliff (spring)	*1.0		.36	- "PENDING" - - - -	
" " (unam. trib to B.C.)	.10				
Reed & Arlene Taylor (LB)	*1.36		Priority	Mo-Dy-Yr.	
" " (spring area)	*.10		11-14-16	10-16-18	2-10-21
" " (springs)	*.30		11-20-26	3-1-35	10-15-36
Woodey Searle (LB)	*1.15			4-23-46	9-4-46
Wilford & Laura E. Evans (LB)	*1.20			12-4-46	10-10-48
" " (Red Wash)	*.75				1-11-54
Sunshine Canal (BC) A-15, Jy-1		15.67			4-21-56
" (Salvage)(LB) A-15, O-15		* 27.00			1-17-58
" (East Park)(LB) Jy-1, N-1		* 25.00			11-10-59
Ashley Valley Res. Co. J-1, O-30	4500 Ac. Ft.				
" " (Storage) M-1, D-1	3000 Ac. Ft.				
Sunshine Canal N. J. Meagher, Sr. M-1, D-15	20.0 cfs.				
Bureau of Reclamation Tyzack Res. A-1, O-1	40.0 cfs or 10,000 Ac Ft.				
Central Utah Project J-1, D-31					
Brush Creek	500 cfs or 35,000 Ac. Ft.				
Little Brush Creek *	500 cfs or 35,000 Ac. Ft.				
Humphreys Phosphate Co. J-1, D-31	0.50 cfs (spring)				
" " (underground) ", "	13.0 cfs (well)				
" " (storage) ", "	5.0 cfs or 2732.32 Ac. Ft.				
Utah Fish and Game J-1, D-31	13.0 cfs (fish culture)				
Katherine Ivers (LB abv Sinks) A-15, O-15	*5.0 cfs				

\* Appropriations from Little Brush Creek.

These appropriations were taken from the Priority Schedule (1960), and all rights are in AFS except where they have been indicated to be in acre feet.

In the later priorities, in the Day-Month-Year column, 11-14-16 would refer to a priority dated Nov. 14, 1916. The period of use is indicated by such codes as A-15, O-15, and would refer to a period of use from April 15 to October 15.

# A S S E S S M E N T

## BASIS FOR COMPUTING ASSESSMENTS FOR THE BRUSH CREEK DISTRIBUTION SYSTEM

It is believed that the following information will be of value to the water users of the Brush Creek Distribution System, by enabling those who wish to check their annual assessment when their water rights and water deliveries are known.

All assessments are made on a percentage basis, as set forth in the 4th Judicial District Court Order of 1959, Civil Order No. 12, and as agreed to by the water users at the 1960 water users meeting.

### I. FORMULA:

$$A_t = A_r + \sum A_s$$

#### A. Regular Assessments

$$A_r = \frac{A_t}{1.15}$$

$$1. A_i = A_r \times P$$

#### B. Special Assessments for Ashley Valley Reservoir Co., and Little Brush Creek water users.

$$A_s = 0.10 A_r + 0.05 A_r$$

##### 1. STORAGE (Ashley Valley Res. Co.)

$$(a) A \dots 0.10 A_r$$

$$(b) A_i \dots 0.10 A_r$$

##### 2. LITTLE BRUSH CREEK Assessment

$$(a) A \dots 0.05 A_r$$

$$(b) A_i \dots \frac{W_a}{\sum W_a} \times 0.05 A_r$$

#### Where:

$A_t$  ... Total Assessment in dollars.

$A_r$  ... Assessment of regular users in dollars.

$A_s$  ... Special assessment in dollars.

$A_i$  ... Individual assessment

$P$  ... % of assessment to be paid by the regular users as set forth in Civil Order No. 12

$W_a$  ... Individual acreage of Little Brush Creek water users.

$A$  ... Assessment to be levied in dollars.

### II. BASIC DATA FOR COMPUTING ASSESSMENTS.

#### A. Civil Order No. 12

% of regular assessment	
Water Users	Percentage
Burns Bench Irr. Co.	40
Burton Ditch Co.	17
Murray Ditch Co.	12
Upper Brush Creek	11
Sunshine Canal	20

B. Total assessment in dollars as adopted by the water users each year at their annual meeting.

C. Special assessments and the amount to be paid by each special assessment user, as adopted by the water users.

Ashley Valley Res. Co.	10% of regular assessment
Little Brush Creek users	5% of regular assessment

#### D. Acreage irrigated from Little Brush Creek / 2

Water User	Acreage
Taylor	75
Searles	72
Evans	85
Colton	17
Total	249

/1 Prepared by DONALD C. NORSETH, Distribution Engineer, and FRANK REESE, Comptroller, UTAH STATE ENGINEER'S OFFICE, December 1961.

/2 To be adjusted in accordance with final decree adjudicating the waters of Brush Creek and its tributaries.

STATEMENT OF RECEIPTS AND EXPENDITURES COVERING THE PERIOD OF  
JANUARY 1, 1961 THROUGH DECEMBER 31, 1961

Total receipts: \$ 1,596.79

APPROVED: Wayne D. Criddle  
State Engineer

STATE OF UTAH  
OFFICE OF STATE ENGINEER  
BRUSH CREEK  
RIVER DISTRIBUTION SYSTEM

1961 Budget item no.	Description of item	Amount approved for 1961	1960 Budget	DETAIL OF EXPENDITURES:		Bills payable 1962
				1961 Budget/	Total expenditures	
1	Commissioner's Salary	1,066.00	-0-	1,102.00*	1,102.00	-0-
2	Matching Social Security	32.00	-0-	33.08*	33.08	-0-
3	Matching State Retirement	-0-	-0-	17.06***	17.06	-0-
4	Bonds & Insurance	25.00	-0-	6.29	6.29	-0-
5	Miscellaneous	22.00	-0-	.84	.84	-0-
6	Commissioner's Report (1961)	35.00	30.00	-0-	30.00	-0-
7	Travel Expense	<u>400.00</u>	<u>-0-</u>	<u>446.60**</u>	<u>446.60</u>	<u>-0-</u>
TOTALS		\$ 1,580.00	30.00	1,605.87	1,635.87	-0-

\*NOTE: Over-expended due to fact of commissioner beginning work on river system earlier in 1961 than anticipated.

\*\*NOTE: Over-expended with approval from chairman.

\*\*\*NOTE: Mandatory that all State personnel participate in retirement program

STATE OF UTAH  
OFFICE OF STATE ENGINEER  
BRUSH CREEK  
RIVER DISTRIBUTION SYSTEM

1961 Budget item no.	Description of item	Amount approved for 1961	1960 Budget	DETAIL OF EXPENDITURES: 1961 Budget	Total expenditures	Bills payable 1962
1	Commissioner's Salary					
	Net Salary			952.86	952.86	-0-
	Federal Tax			92.50	92.50	-0-
	Utah State Tax			6.50	6.50	-0-
	Social Security Tax			33.08	33.08	-0-
	Utah State Retirement			17.06	17.06	-0-
	Gross Salary	(1,066.00)		(1,102.00)*	(1,102.00)	(-0-)

\*NOTE: Over-expended due to fact of commissioner beginning work on river system earlier in 1961 than anticipated.

BEHNS DRUG DISTRIBUTION SYSTEM

DELINQUENT ACCOUNTS AS OF

DECEMBER 31, 1961

Acct No:

Name:

Amount Due:

5-H

"Murray's"  
C/O Albert Murray  
Jensen, Utah

\$ 7.05

TOTAL AMOUNT DUE:

\$ 7.05

Minutes of the Annual Meeting  
BRUSH CREEK DISTRIBUTION SYSTEM  
Thursday, Feb. 23, 1961

SUMMARY

The water users of Brush Creek and its tributaries met with representatives of the Utah State Engineer's Office at 4:30 p.m. on Thursday, February 23, 1961 in the Uintah County Courthouse to review the 1960 water distribution and to prepare for the 1961 season.

David R. Ras mussen was recommended to be 1961 water commissioner. Curt D. Dudley was elected chairman, and Ray Nash was elected to be secretary of the Brush Creek Distribution System for 1961. A budget and assessment of \$1,580.00 were adopted by the water users to cover distribution expenses for the 1961 season.

GENERAL BUSINESS

Donald C. Norseth, Distribution Engineer of the State Engineer's Office, opened the meeting and gave a brief summary of the 1961 water supply outlook. He stated that Ashley Creek was forecast to be 90% of Normal, and Brush Creek was forecast to be about 70% of normal, but that these figures would have to be rated downward because normal precipitation had not occurred since the forecast was prepared. The apparent lack of snow cover and precipitation would increase the problems which the commissioner would have to solve. This coming water shortage would make the water users increasingly aware of the commissioner's duties and the extent of his activities.

Mr. Norseth read the call of the meeting and introduced the other members of the State Engineer's Office who were present. A list of all those who attended is attached to these minutes.

The meeting was turned over to Mr. DeMarr Dudley, 1960 chairman, who conducted the meeting until the 1961 chairman would be selected.

The 1960 minutes were read by Mr. Norseth, and they were approved as read.

The 1960 Financial Statement was given by Frank Reese, Comptroller, Utah State Engineer's Office. He reported that the net cash on hand for the System was \$65.10 and that \$2.00 had been collected on delinquent accounts. He stated that \$21.18 was still delinquent. A detailed account of the collections and expenditures was given and after discussion of several of the items, the financial report was approved as read.

Mr. Reese said that he had forwarded 7 copies of the financial report to the chairman, Mr. Dudley, because the other members of the executive committee were unknown to Mr. Reese.

1960 COMMISSIONER'S REPORT

Mr. David R. Ras mussen of Vernal Utah, Brush Creek Water Commissioner for 1960, reported his activities and the operations of the distribution system for 1960. He stated that he started off the year really green, but he got educated fast. There were a number of misunderstandings that had to be worked out and that things began to happen early. One of the first things that went wrong was on April 16th when the Burns Bench Canal washed out. By the 18th of April he was releasing storage waters from Oaks Park Reservoir, and with the inflow of heavy runoff, the high water got mixed up with the storage. He said that he took the blame for much of the troubles



that happened in the early part of the irrigation season, and he recommended the water users spell out the duties of the commissioner so that he might better understand the job that has to be done. One of these problems arose from the authority to ask for releases from the reservoirs. He said that the reservoir water master should submit the request for releases and not the water users as individuals.

The commissioner stated that by June 18th he had put the creek on the rotation schedule and turn basis. He had some problems of transferring turns, and agreements had to be worked out between the irrigation parties so that no guess work was involved.

The report consisted of a daily record of the flow of the waters of Brush Creek, both natural flow and storage, and what was done with that water in the manner of distribution from the main channel of the creek.

### R e c o m m e n d a t i o n s

Mr. Ra smussen submitted several recommendations on how to improve the distribution system for 1961:

1. Better communications, coming face to face to work out water problems.
2. Improve diversion point methods of controls and installing the proper measuring devices.
3. 2 or 3 ft. parshall flumes on Little Brush Creek, above and below the ranches.
4. Make sure that everyone understands the division of water according to water rights and the distribution schedule.
5. Go on turns as soon as necessary.
6. Transfer turns only if commissioner is informed and the proper agreements are made.
7. More detailed study on the creek before Sunshine Ranches turns out water from East Park, more accurate records needed before releases are made.
8. Study the channel loss and return flow to more effectively divide on the schedule basis.
9. Closer relations between Brush Creek users and Ashley Valley Reservoir Co. to set up a committee to watch the operation and to advise the commissioner and make recommendations to the state engineer.
10. The commissioner's travel and expenses should be in accord with what is to be done and how much regulation is wanted.
11. More meetings between the water users to work out problems on the creek, so that bad feelings will not develop.

The commissioner said that his report contained USGS records of stream flow and his own personal records of water distribution on Brush Creek.

Mr. Hugh Colton said that it was the best report he had seen on the administration of Brush Creek since 1896, and he pointed out that a copy should be filed with the district court.

Mr. Hubert Lambert, Deputy State Engineer, said that several copies had been given to the State Engineer by the commissioner and that a copy would be filed with the court, and that water rights still need to be settled on Brush Creek; these reports would be of very great value to the water users.

After lengthy discussion concerning the commissioner's report and the causes of some of the distribution problems, it was moved by N. J. Meagher, Jr., and seconded by Hugh Colton that the report be accepted and that Mr. Ra smussen be commended for services to the water users. Motion carried.

The group discussed the organization of the Brush Creek Distribution System under an association with articles or bylaws to show how the water users would be represented. No formal organization was presented, but an executive committee of the Brush Creek water users was elected as follows:

1. Archie Allen...Oaks Park Reservoir Co.
2. N. J. Maegher, Jr....Sunshine Canal and East Park Res.
- Chairman.....3. Curt D. Dudley....Burns Bench Canal
- 4 Glenn Murray....Burton Ditch
5. Bill Karen...Murray Ditch
6. Martin Evans...Lower Brush Creek
7. Robert Shiner...Upper Brush Creek
8. Woodey B. Searle...Little Brush Creek Users.

Ray Nash, Secretary

Mr. Nash was appointed to be secretary of the executive committee, but with no voting voice in the affairs of the committee.

#### 1961 Commissioner

Mr. David R. Rasmussen submitted an application for the job of water commissioner and was recommended to the state engineer for reappointment to that office. Mr. Donald C. Norseth, Distribution Engineer, said that he would be happy to forward that recommendation to Mr. Cridle, State Engineer, and that Mr. Rasmussen had done a fine job during the 1960 season.

#### 1961 B U D G E T

The following budget was set up to cover the costs of distribution for 1961:

Commissioner's Salary	\$1,066.00
Social Security at 3%	32.00
Travel (4,000 miles at \$.10/mi)	400.00
Bonds and insurance	25.00
Commissioner's Annual Report	35.00
Miscellaneous expenses	22.00
Total	\$1,580.00

#### 1961 Assessment

The water users voted to assess themselves a total of \$1,580.00 for 1961 on the following assessment formula:

Brush Creek users	X amount	or \$1,373.91
Ashley Valley res.	.10X amount	or 137.39
Little Brush users	.05X amount	or 68.70
<hr/>		
1.15 X =		\$1,580.00

There being no further business, the meeting was adjourned by the chairman. A List of those attending the meeting is attached to these minutes.

Minutes submitted by Clarence E. Erickson, Jr.  
Distribution Engineer

N A M E	R E P R E S E N T I N G
Donald C. Norseth	Distribution Engineer, Utah State Engineer's Office
Clarence E. Erickson, Jr.	Distribution Engineer
Frank Reese	Comptroller, Utah State Engineer's Office
T. Vinton Smith	Asst. Business Manager
Richard R. Pexton	Accountant
Robert F. Guy	District Engineer(Vernal) State Engineer's Office.
Woodey B. Searle	Little Brush Creek
C. D. Dudley	Burns Bench Irr. Co.
Adair Brimhall	" " "
Ezra L. Stewart	" " 2
M. Harden Nelson	" " "
Merle Morse	" " "
L. Glenn Murray	Burton Ditch Co.
Howard Ainge	
Sam Sessions	Upper Brush Creek
Wilford R. Evans	Little Brush Creek
Robert Shiner	Upper Brush Creek
S. J. Hatch	Upper Brush Creek
Joseph G. Murray	
Archie Allen	Ashley Res. Co.
Nick Meagher	Sunshine Ranches
Hugh W. Colton	Upper Brush Creek
Dave Rasmussen	1960 Water Commissioner
A. D. Dudley	Burns Bench.
Hubert C. Lambert	Deputy State Engineer